

Best Available Copy

ATTENTION ATTENTION ATTENTION

Method of Refund:

☐ ACH/EFT

☐ Credit Card

☒ Deposit Account # 15-0461

☐ Treasury Check

Patent/TM/App/Serial # 10 526,227

Program Area PCT-National

Date Processed 4/1/2006

ATTENTION ATTENTION ATTENTION

Best Available Copy



Dep & Ref
PATENT APPLICATION
PATENT MAINTENANCE
DIVISION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2006 MAR 31 PM 4:30

US PATENT & TRADEMARK
OFFICE

In re the Application of

Takakazu MIYAHARA et al.

Application No.: 10/526,227

Filed: March 1, 2004

Docket No.: 122462

For: APPARATUS FOR POLISHING OPTICAL DISK

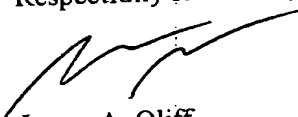
STATUS OF SMALL ENTITY ASSERTION AND REQUEST FOR REFUND

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.27(c), entitlement to small entity status was asserted on March 2, 2005. It is respectfully requested that the Patent Office records be marked accordingly and that all future fees be accepted on a Small Entity basis. Furthermore, on March 2, 2005 Applicants requested that one-half of the application fee, in the amount of \$ 450.00, be refunded to Deposit Account No. 15-0461 in view of the timely submission of that assertion. See 37 C.F.R. §1.28(a). A copy of the March 2, 2005 Small Entity Assertion and Request for Refund, along with the March 2, 2005 date-stamped receipt, are attached.

Respectfully submitted,


James A. Oliff
Registration No. 27,075

Scott M. Schulte
Registration No. 44,325

JAO:SMS/sxb
Date: March 29, 2006
OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

**DEPOSIT ACCOUNT USE
AUTHORIZATION**
Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461

Best Available Copy



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Takakazu MIYAHARA et al.

Application No.: New U.S. National Stage of
PCT/JP02/008904

Filed: March 1, 2004

Docket No.: 122462

For: APPARATUS FOR POLISHING OPTICAL DISK

SMALL ENTITY ASSERTION AND REQUEST FOR REFUND

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.27(c), entitlement to small entity status is hereby asserted. It is respectfully requested that the Patent Office records be marked accordingly and that all future fees be accepted on a Small Entity basis. Furthermore, it is respectfully requested that one-half of the application fee, in the amount of \$ 450.00, be refunded to Deposit Account No. 15-0461 in view of the timely submission of this assertion. See 37 C.F.R. §1.28(a).

Please charge any fees due in connection with this paper to Deposit Account No. 15-0461. Two duplicate copies of this paper are attached.

Respectfully submitted,

James A. Oliff
Registration No. 27,075

Eric D. Morehouse
Registration No. 38,565

JAO:EDM/cqc

Date: March 2, 2005

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

**DEPOSIT ACCOUNT USE
AUTHORIZATION**
Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461



PTO RECEIPT FOR FILING OF PAPERS

► Mail Return (Regular Delivery)

The following papers have been filed:

PCT T; Small Entity Assertion/Request for Refund

Name of Applicant: Takakazu MIYAHARA et al.

Serial No.: New U.S. National Stage of PCT/JP02/008904

Atty. File No.: 122462

Title (New Cases):

Sender's Initials: JAO/cqc

231/15

PATENT OFFICE DATE STAMP



**COPY TO BE STAMPED BY PATENT OFFICE
AND RETURNED BY MESSENGER**



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Attn: OIPE

Takakazu MIYAHARA et al.

Application No.: 10/526,227

Docket No.: 122462

Filed: March 1, 2005

For: APPARATUS FOR POLISHING OPTICAL DISK

REQUEST FOR CORRECTION OF PALM RECORDS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached is a photocopy of the original filing receipt on which errors have been corrected. These errors are being brought to the attention of the Patent and Trademark Office so that it may correct its records. A copy of the Preliminary Amendment as filed on March 1, 2005 is also enclosed.

Respectfully submitted,

James A. Oliff
Registration No. 27,075

Scott M. Schulte
Registration No. 44,325

JAO:SMS/sxb

Date: March 29, 2006

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

DEPOSIT ACCOUNT USE
AUTHORIZATION
Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461

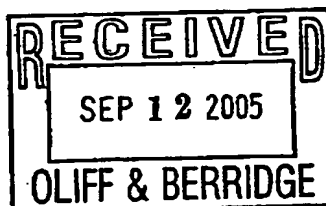


UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/526,227	03/01/2005	3723	900	122462	5	4	1

25944
OLIFF & BERRIDGE, PLC
P.O. BOX 19928
ALEXANDRIA, VA 22320



CONFIRMATION NO. 6780
FILING RECEIPT
OC000000016720152
OC000000016720152

Date Mailed: 09/08/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Takakazu Miyahara, Kaseda-shi, JAPAN;
Jiro Genozono, Kaseda-shi, JAPAN;

Power of Attorney: The patent practitioners associated with Customer Number 25944.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP02/08904 09/02/2002

Foreign Applications

SMALL ENTITY

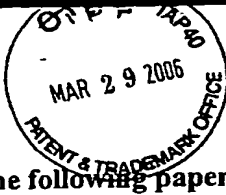
Projected Publication Date: To Be Determined - pending completion of Security Review

Non-Publication Request: No

Early Publication Request: No

Title

~~Optical disk polishing device~~
Apparatus for Polishing Optical Disk
Preliminary Class



PTO RECEIPT FOR FILING OF PAPERS

The following papers have been filed:

PCT T; CK #164121 (\$900); Prelim; PCT Req; spec (11pgs/4clms/abst); 5pp dwgs (Figs. 1A-6B); Dec.; Des of 10; AssgnT; CK #164122 (\$40); Assgn; IDS; 1449; Search Report; 5 refs; 5 abst; 2 trans

Name of Applicant: Takakazu MIYAHARA; Jiro GENOZONO

Serial No.: New U.S. Patent Application

Atty. File No.: 122462

Title (New Cases): APPARATUS FOR POLISHING OPTICAL DISK

Sender's Initials: JAO/cqc

230 | 11

NEW APPLICATION

PATENT OFFICE DATE STAMP



COPY TO BE STAMPED BY PATENT OFFICE



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Takakazu MIYAHARA et al.

Application No.: New U.S. National Stage of
PCT/JP02/008904

Docket No.: 122462

Filed: March 1, 2005

For: APPARATUS FOR POLISHING OPTICAL DISK

PRELIMINARY AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please consider the following:

Amendments to the Specification;

Amendments to the Claims as reflected in the listing of claims;

Remarks..

Amendments to the Specification

Please replace the title as follows:

~~OPTICAL DISK POLISHING DEVICE~~ APPARATUS FOR POLISHING OPTICAL DISK

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) An apparatus for polishing an optical disk comprising:
 - a) a rotatable polished body holder for holding a polished body;
 - b) a rotatable polishing body holder for holding a polishing body;
 - c) a buffer member provided between the polishing body and the polishing body holder, which is deformable within the range of 0.05 to 0.3 mm when pressed with a predetermined contact pressure required for polishing;
 - d) a driver for rotationally driving the polishing body holder and/or the polished body holder;and
 - e) a pressing unit for pressing the polishing body holder and the polished body holder against each other with the predetermined contact pressure.
2. (Original) The apparatus for polishing an optical disk according to claim 1, wherein the deformation amount of the buffer member is between 0.1 and 0.2 mm.
3. (Currently Amended) The apparatus for polishing an optical disk according to claim 1-~~or~~2, wherein a rigid member is provided between the buffer member and the polishing body holder.
4. (New) The apparatus for polishing an optical disk according to claim 2, wherein a rigid member is provided between the buffer member and the polishing body holder.

REMARKS

Claims 1-4 are pending in this application. By this Amendment, the title and claim 3 is amended. Claim 4 is new.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,

James A. Oliff
Registration No. 27,075

Eric D. Morehouse
Registration No. 38,565

JAO:EDM/cqc

Date: March 1, 2005

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
--

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

15/10/2005 KRAYPASH 00000098 10526227

01 FC:1631	300.00 OP
02 FC:1642	400.00 OP
03 FC:1633	200.00 OP

Repln. Ref: 09/26/2006 THOLLAND 0010441500
DAH:150461 Name/Number:10526227
FC: 9204 \$450.00 CR

PTO-1556

(5/87) Adjustment date: 09/26/2006 THOLLAND
03/10/2005 KRAYPASH 00000098 10526227
01 FC:1631 -300.00 OP
02 FC:1642 -400.00 OP
03 FC:1633 -200.00 OP

U.S. Government Printing Office: 2002 - 490-267/00003

09/26/2006 THOLLAND 00000002 10526227

01 FC:2631
02 FC:2642
03 FC:2633

150.00 OP
200.00 OP
100.00 OP

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.